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♥ Marie



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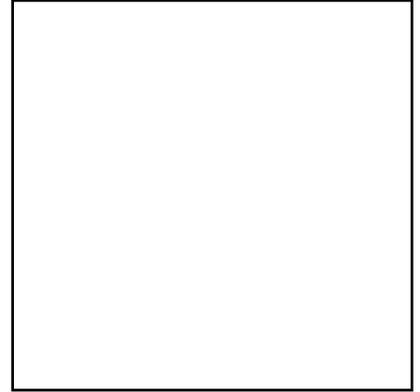
▪ **Step 2: Sediments**

- Unwrap 3 different colored Starburst candies. Each Starburst candy represents a rock. Begin the rock cycle by cutting the candy into small pieces. You will cut and break the Starburst candies until there is only sediments left.

○ What are sediments? _____

○ What process in the rock cycle turns rocks into sediments? _____

○ Draw what your Starburst sediments looks like in the box.

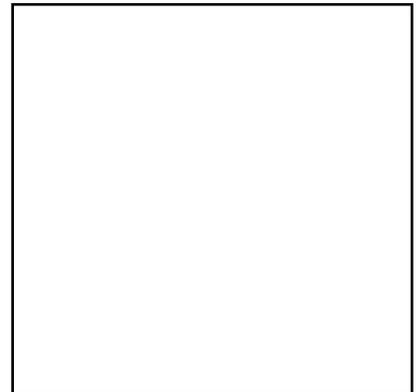


▪ **Step 3: Sedimentary Rock**

- To create a sedimentary rock, take the Starburst sediments in your hand and gently compact the pieces until they stick together like glue.

○ What process in the rock cycle turns sediments into sedimentary rocks? _____

○ Draw what your Starburst Sedimentary Rock looks like in the box.

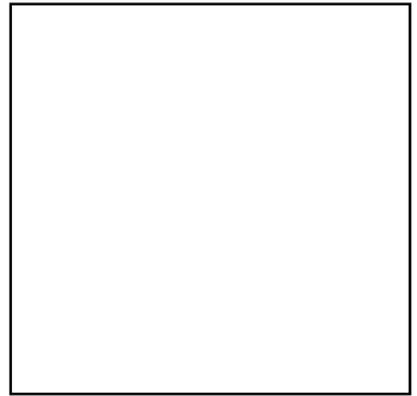


▪ **Step 4: Metamorphic Rock**

- To create a metamorphic rock, put your sedimentary rock into the Ziploc bag. Next, vigorously roll the rock in your hand. You will also apply pressure by pushing and kneading the rock. Try putting a book on top of the Ziploc bag and then applying pressure. After a few minutes, take your newly formed metamorphic rock out of the bag.

- What process in the rock cycle changes sedimentary rocks into metamorphic rocks?

- Draw what your Starburst Metamorphic Rock looks like in the box.

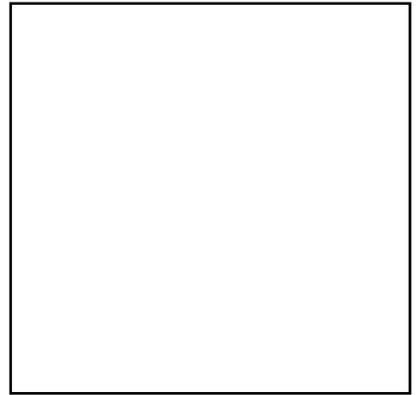


- **Step 5: Igneous Rock**

- To create an igneous rock, you will put your Starburst metamorphic rock in a cupcake liner on the paper plate. Next, you will microwave your rock for 30 seconds. Be careful when you take out the paper plate since your rock has become molten. It will take several minutes for the magma in your cupcake liner to solidify. Once it hardens, it has turned into an igneous rock. *You may use a refrigerator to quicken the cooling process.*

- What process in the rock cycle changes the metamorphic rock into an igneous rock?

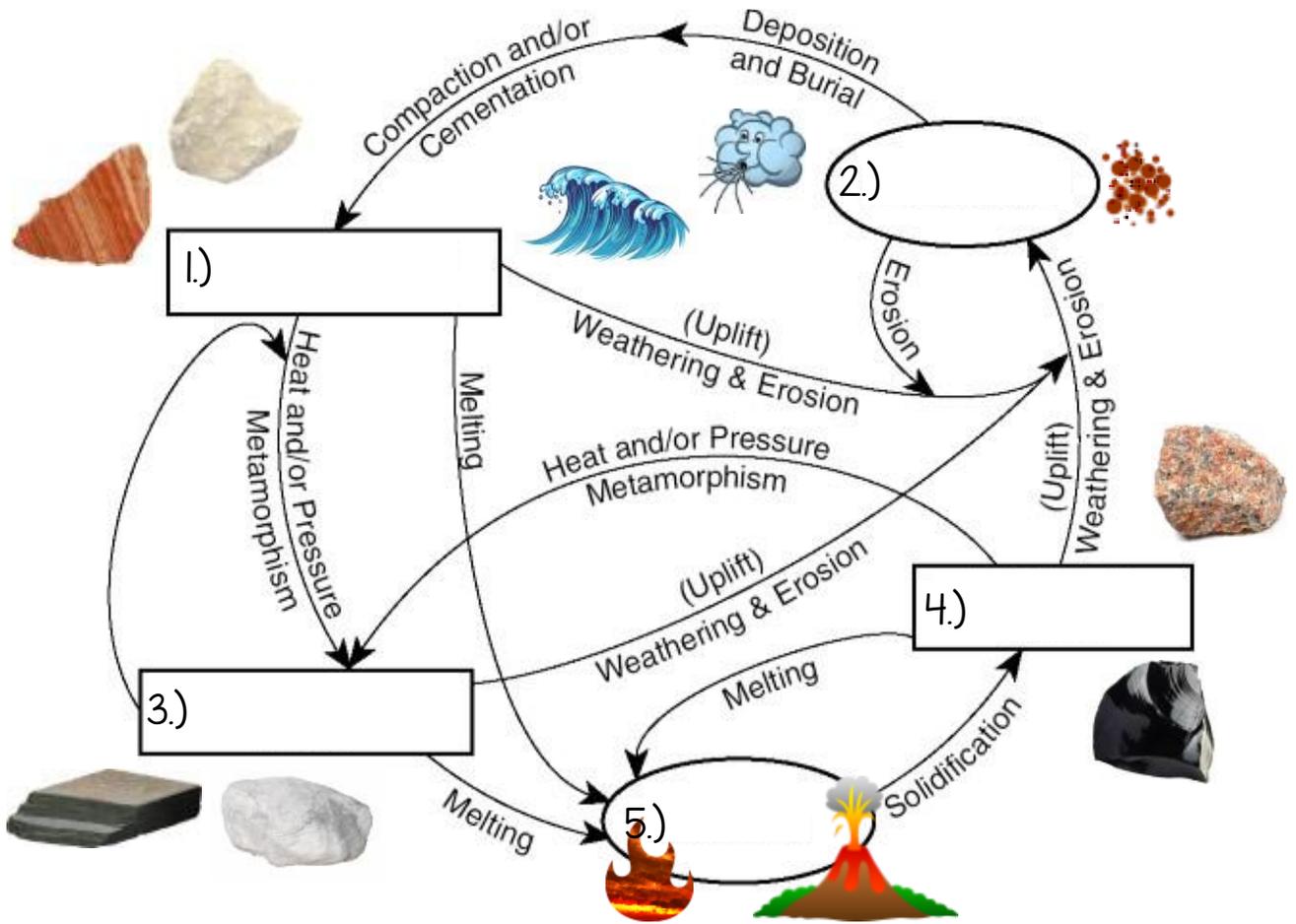
- Draw what your Starburst Igneous Rock looks like in the box.



- What process would have to happen for your igneous rock to turn back into sediments? _____

- In your own words, what is a cycle? _____

The Rock Cycle



Label the missing terms in the diagram above:

sedimentary rock

sediments

igneous rock

magma

metamorphic rock

6.) What process must happen for igneous rock to turn into sediments?

7.) How can metamorphic rocks turn into igneous rocks? _____

8.) What are the three main types of rocks? _____

9.) How do sedimentary rocks turn into metamorphic rocks? _____

10.) How do sediments turn into sedimentary rocks? _____
